GAME-BASED APPROACHES TO TEACHING READING IN EARLY EDUCATION

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Annotation: This literature review explores the impact of game-based learning (GBL) strategies on early reading instruction. Drawing on recent studies, the paper examines the use of games targeting phonics, sight word recognition, reading comprehension, vocabulary acquisition, and reading fluency. Findings suggest that incorporating games into reading instruction can enhance learner motivation, improve foundational literacy skills, and support student engagement—especially among young learners with limited attention spans. The review also highlights the importance of aligning games with pedagogical goals to maximize educational outcomes.

Keywords: Game-based learning, early literacy**,** reading instruction, educational games, phonics games, sight word recognition, reading comprehension, vocabulary development, elementary education

Game-based approaches to teaching reading to early education students have gained attention for their potential to enhance literacy skills through engaging and interactive methods. This paper aims to explore empirical studies and practical implementations of game-based learning focused on phonics, sight word recognition, comprehension, vocabulary, and fluency.

Phonics-Based Games

Phonics-based games have emerged as a significant tool in literacy education, particularly for beginning readers. The study conducted by Glatz et al. (2023) provides valuable insights into the effectiveness of digital game-based learning (DGBL) tools, specifically focusing on a phonics game called GraphoGame-NL. This research involved a cluster randomized controlled trial with 247 first graders across 16 classrooms in the Netherlands and Belgium, highlighting the potential of phonics games to enhance reading skills. The intervention consisted of daily sessions of 10 to 15 minutes of gameplay over a period of up to seven weeks, which allowed for a focused and engaging approach to phonics instruction. The findings revealed that children who participated in the phonics game demonstrated significant improvements in letter knowledge, which is crucial for reading development. This improvement was not only statistically significant but also generalizable across the classroom setting, indicating that phonics games can benefit all students, regardless of their initial skill levels.

Moreover, the study found that children with higher phonological awareness prior to the intervention showed even greater gains in reading fluency after extensive exposure to the game. This suggests that phonics-based games can be particularly effective for students who already possess some foundational skills, allowing them to build on their existing knowledge. The research also explored the impact of various factors such as age, familial risk for dyslexia, and home language environment on literacy outcomes, providing a comprehensive understanding of how phonics games can be tailored to meet diverse learner needs.

In addition to the positive outcomes associated with phonics games, the study highlighted the importance of using in-game assessment tools to measure literacy skills. These tools were able to detect improvements in letter-sound knowledge more effectively than traditional pen-and-paper assessments, suggesting that phonics games not only engage students but also provide valuable data for educators to track progress. Overall, the study shows that phonics-based games are a promising and effective way to teach reading, and more research and use of these games in schools is encouraged.

Sight Word Recognition Games

Sight word recognition is a critical component of early literacy development, as it enables children to read fluently and comprehend text more effectively. The study on the Modified "Alpabasa" program [1]highlights the effectiveness of incorporating game-based learning strategies to enhance sight word recognition among non-readers in grades 3 and 4. The research utilized a quasi-experimental method, specifically a pre-post test design, to assess the impact of the Modified "Alpabasa" program on 60 non-reader students at St. Paul University Philippines. This program integrated various engaging elements such as costumes, music, movement, and theatrical presentations, which not only made learning enjoyable but also facilitated the recognition of sight words in a meaningful context .

The findings from the study indicate that the exposure to the Modified "Alpabasa" program significantly improved the reading performance of the students. By incorporating action songs and movement-based activities, the program created a dynamic learning environment where students could interact with language in a playful manner. This approach is particularly beneficial for sight word recognition, as it allows students to associate words with actions and sounds, reinforcing their memory and recall abilities. The study emphasizes that making reading experiences concrete and realistic can enhance students' engagement and motivation, which are essential factors in developing sight word recognition skills .

Furthermore, the research suggests that game-based programs like Modified "Alpabasa" can serve as effective interventions for students who struggle with reading. By focusing on sight words through interactive and enjoyable activities, educators can help students build a strong foundation in reading. The incorporation of games not only aids in the recognition of sight words but also fosters a positive attitude towards reading, which is crucial for long-term literacy success.

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Comprehension-Focused Games

Comprehension is a critical component of literacy that enables students to make sense of texts and engage with content meaningfully. The systematic review presented in the study emphasizes the role of game-based learning in enhancing reading comprehension skills among learners (Manzano-León et al., 2023). By analyzing ten articles published between 2013 and 2023, the review highlights how comprehension-focused games can effectively support students in developing their understanding of texts. The findings indicate that these games not only improve comprehension but also foster greater motivation and positive emotional responses towards reading, which are essential for effective learning.

One of the significant benefits of comprehension-focused games is their ability to create interactive and engaging learning environments. These games often incorporate elements such as storytelling, problem-solving, and critical thinking, which encourage students to actively participate in the learning process. For instance, games that require players to make predictions, draw inferences, or summarize information can help students practice and reinforce their comprehension skills in a fun and dynamic way. The review suggests that such interactive experiences are more effective than traditional instructional methods, as they allow learners to explore and manipulate content actively.

Moreover, the study highlights the importance of motivation in the learning process. Comprehension-focused games can significantly enhance students' interest in reading by making the experience enjoyable and rewarding. When students are engaged in gameplay, they are more likely to take risks, ask questions, and seek clarification, all of which contribute to deeper comprehension. The review notes that the positive emotions associated with game-based learning can lead to increased persistence and resilience in the face of challenging texts, ultimately improving comprehension outcomes.

Additionally, the systematic review points out that while the effectiveness of comprehension-focused games is evident, there remains a need for further research to explore the specific features that make these games successful.

Vocabulary Development Games

Building a strong vocabulary is fundamental to reading development. It provides young learners with the ability to understand texts, decode new words, and express their thoughts clearly.

A variety of game-based approaches can be employed to foster vocabulary development. Word games, such as Scrabble and Boggle, challenge learners to manipulate letters and create words, reinforcing spelling and word recognition skills (Vocabulary Improvement Games & Classroom Vocabulary Games, 2024). Interactive online games and mobile applications offer engaging platforms for vocabulary practice and reinforcement (Free Interactive Vocabulary Games, 2016). These digital tools often incorporate multimedia elements, such as images and audio, to enhance learning and cater to diverse learning styles. Additionally, role-playing games and simulations can create immersive learning environments where learners use new vocabulary in context.

Fluency-Building Games

Fluency in reading is a vital skill that contributes significantly to overall literacy development, allowing students to read smoothly and with comprehension. The systematic review conducted in the study highlights the effectiveness of fluency-building games as a means to enhance reading proficiency among learners. By examining ten articles published between 2013 and 2023, the review underscores how these games can provide engaging and interactive experiences that promote fluency development (Tijms, 2023). The findings indicate that fluency-building games not only improve reading speed and accuracy but also foster a positive attitude towards reading, which is essential for sustained literacy growth.

One of the primary advantages of fluency-building games is their ability to create a motivating and enjoyable learning environment. These games often incorporate elements such as timed challenges, rewards, and competition, which encourage early stage learners to practice reading in a fun and engaging way. For instance, games that require players to read passages quickly and accurately can help reinforce their decoding skills and improve their overall reading fluency. The review emphasizes that such interactive experiences are more effective than traditional practice methods, as they allow learners to engage with texts actively and receive immediate feedback on their performance.

Moreover, the study highlights the role of repeated practice in fluency development. Fluency-building games often involve repeated exposure to words and phrases, which is crucial for developing automaticity in reading. The review notes that through consistent gameplay, students can enhance their familiarity with vocabulary and sentence structures, leading to improved reading fluency over time. This repeated practice not only aids in skill acquisition but also builds students' confidence in their reading abilities, further motivating them to engage with texts.

The review highlights the benefits of fluency-building games in literacy education but indicates that more research is needed to understand their long-term effects. These findings suggest that fluency-building games have great potential as an innovative teaching tool, encouraging further studies and practical use in classrooms.

REFERENCES:

1. Manzano-León, A., Ait Abdellah, H., Rodríguez Moreno, J., & Aguilar Parra, J. M. (2023). Play as a Learning Resource for Literacy Skills: a Systematic Review. Cadernos de Educação, Tecnologia e Sociedade. https://doi.org/10.14571/brajets.v16.n4.914-926
2. Masigan, J. K. S. (2020). Effectiveness of the Modified "Alpabasa": A Game-Based Program in Teaching Reading among the Grades 3 and 4 Non-Readers. 3(2), 37. https://doi.org/10.22158/FET.V3N2P37
3. Tijms, J. (2023). Dynamic assessment of the effectiveness of digital game-based literacy training in beginning readers: a cluster randomised controlled trial (v0.1). https://doi.org/10.7287/peerj.15499v0.1/reviews/3
4. Vocabulary Stars Best Online Vocabulary Program: Tests, games & practice for classroom use. (n.d.). https://vocabularystars.com/